CITY OF NEWARK
DELAWARE

Underground with Pad-Mounted Transformers SAC Electric Checklist

Section 1 – Design Requirements

1. All existing utilities must be surveyed and shown on the plans.

2. The desired meter(s) location must be shown on the plans.

3. An open utility easement is required and must be listed on the prints. In addition, a 5-foot electric utility easement must be shown behind the sidewalk for any underground electrical infrastructure.

Section 2 – Notes Requirements

Please add the following electric notes to the plans:

1. All the electric services to the existing building(s) need to be disconnected before their demolition.

2. All parts of proposed buildings shall be at least 12.5 feet away from aerial lines.

3. No trees can be planted within 5 feet of underground electric cables and no trees reaching 18 feet at maturity can be planted within 10 feet of aerial lines. No shrubbery shall be installed within six (6) feet of the front of a pad mounted transformer or three (3) feet on the other sides.

4. Any oil-filled pad-mounted equipment shall be located a minimum of 10 feet from combustible buildings, windows, doors, and stairwells, and 3 feet from noncombustible buildings. It must also be located outside a zone extending 20 feet outward and 10 feet to either side of the building door. A suitable location approved by the Electric Department will be required for a pad-mounted transformer during the CIP phase of the project.

5. The developer must pay all costs for electric service infrastructure including material and labor. The price is subject to a yearly CPI escalation from the date of council approval.

6. The developer is responsible for all trenching, backfilling, and installing two 4-inch conduits for underground high-voltage cables per City standards.

7. The developer is responsible for supplying and installing all underground secondary cables and conduits from pad mounted transformers to the meter box per NEC

requirements and city standards. A maximum of six conductors per phase is allowed on secondary bushings. If more than six conductors per phase are required, the customer shall supply and install a transition cabinet and pay any additional city costs related thereto.

8. All meters must be grouped in one location, and the developer must provide keys to access the electric meter room if meters are inside. The developer will be responsible for the cost of the electric meters.

9. The developer agrees to pay up to $4,000 towards problem interference if the building is found to interfere with the City's smart metering system for electric meters when completed.